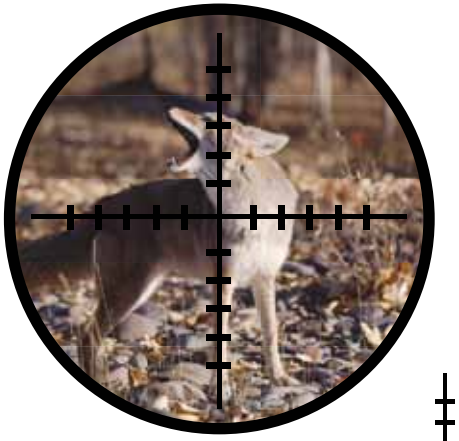
BARSKA®

Tactical Spotter
with Mil-Cross Reticle



Finding Out The Distance of an Object

1. Estimate the size of the target
2. Line up the object either horizontally or vertically in between the mil-lines
3. Count the number of mil-lines that the object occupies
4. See Charts
   - What power are you currently viewing the object at?
   - How many inches is the object?
   - How many mils does the object occupy?

Example

1. Wolf in reticle is about 3 feet wide (or 36 inches)
2. After lining up the wolf in between the reticle lines, the wolf is 7 mils wide
3. Going to the chart I know that i'm viewing the object at 11x, the object is 36 inches wide and is 7 mils wide, the wolf is roughly 66 yards away.

$$\frac{\text{Height of target (yards)} \times 1000}{\text{Height of target (mil)} \times 2.16} = \text{Range (yards)}$$

AT 11x

SIZE OF OBJECT IN INCHES		9	12	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72
YARDS		0.250	0.333	0.444	0.500	0.556	0.611	0.667	0.778	0.889	1.000	1.111	1.222	1.333	1.445	1.556	1.667	1.778	1.889	2.000
MIL	1	116	154	206	232	257	283	309	360	412	463	514	566	617	669	720	772	823	875	926
MIL	1.5	77	103	137	154	171	189	206	240	274	309	343	377	412	446	480	514	549	583	617
MIL	2	58	77	103	116	129	141	154	180	206	232	257	283	309	334	360	386	412	437	463
MIL	2.5	46	62	82	93	103	113	123	144	165	185	206	226	247	268	288	309	329	350	370
MIL	3	39	51	69	77	86	94	103	120	137	154	171	189	206	223	240	257	274	292	309
MIL	3.5	33	44	59	66	73	81	88	103	118	132	147	162	176	191	206	220	235	250	265
MIL	4	29	39	51	58	64	71	77	90	103	116	129	141	154	167	180	193	206	219	232
MIL	4.5	26	34	46	51	57	63	69	80	91	103	114	126	137	149	160	171	183	194	206
MIL	5	23	31	41	46	51	57	62	72	82	93	103	113	123	134	144	154	165	175	185
MIL	5.5	21	28	37	42	47	51	56	65	75	84	94	103	112	122	131	140	150	159	168
MIL	6	19	26	34	39	43	47	51	60	69	77	86	94	103	111	120	129	137	146	154
MIL	6.5	18	24	32	36	40	44	47	55	63	71	79	87	95	103	111	119	127	135	142
MIL	7	17	22	29	33	37	40	44	51	59	66	73	81	88	96	103	110	118	125	132
MIL	8	14	19	26	29	32	35	39	45	51	58	64	71	77	84	90	96	103	109	116
MIL	9	13	17	23	26	29	31	34	40	46	51	57	63	69	74	80	86	91	97	103
MIL	10	12	15	21	23	26	28	31	36	41	46	51	57	62	67	72	77	82	87	93

$$\frac{\text{Height of target (yards)} \times 1000}{\text{Height of target (mil)} \times 1.29} = \text{Range (yards)}$$

AT 22x

SIZE OF OBJECT IN INCHES		9	12	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72
YARDS		0.250	0.333	0.444	0.500	0.556	0.611	0.667	0.778	0.889	1.000	1.111	1.222	1.333	1.445	1.556	1.667	1.778	1.889	2.000
MIL	1	194	258	345	388	431	474	517	603	689	775	861	948	1034	1120	1206	1292	1378	1464	1551
MIL	1.5	129	172	230	258	287	316	345	402	459	517	574	632	689	747	804	861	919	976	1034
MIL	2	97	129	172	194	215	237	258	301	345	388	431	474	517	560	603	646	689	732	775
MIL	2.5	78	103	138	155	172	190	207	241	276	310	345	379	413	448	482	517	551	586	620
MIL	3	65	86	115	129	144	158	172	201	230	258	287	316	345	373	402	431	459	488	517
MIL	3.5	55	74	98	111	123	135	148	172	197	222	246	271	295	320	345	369	394	418	443
MIL	4	48	65	86	97	108	118	129	151	172	194	215	237	258	280	301	323	345	366	388
MIL	4.5	43	57	77	86	96	105	115	134	153	172	191	211	230	249	268	287	306	325	345
MIL	5	39	52	69	78	86	95	103	121	138	155	172	190	207	224	241	258	276	293	310
MIL	5.5	35	47	63	70	78	86	94	110	125	141	157	172	188	204	219	235	251	266	282
MIL	6	32	43	57	65	72	79	86	100	115	129	144	158	172	187	201	215	230	244	258
MIL	6.5	30	40	53	60	66	73	80	93	106	119	133	146	159	172	186	199	212	225	239
MIL	7	28	37	49	55	62	68	74	86	98	111	123	135	148	160	172	185	197	209	222
MIL	8	24	32	43	48	54	59	65	75	86	97	108	118	129	140	151	162	172	183	194
MIL	9	22	29	38	43	48	53	57	67	77	86	96	105	115	124	134	144	153	163	172
MIL	10	19	26	34	39	43	47	52	60	69	78	86	95	103	112	121	129	138	146	155

$$\frac{\text{Height of target (yards)} \times 1000}{\text{Height of target (mil)}} = \text{Range (yards)}$$

AT 33x

SIZE OF OBJECT IN INCHES		9	12	16	18	20	22	24	28	32	36	40	44	48	52	56	60	64	68	72
YARDS		0.250	0.333	0.444	0.500	0.556	0.611	0.667	0.778	0.889	1.000	1.111	1.222	1.333	1.445	1.556	1.667	1.778	1.889	2.000
MIL	1	250	333	444	500	556	611	667	778	889	1000	1111	1222	1333	1445	1556	1667	1778	1889	2000
MIL	1.5	167	222	296	333	370	407	444	519	593	667	741	815	889	963	1037	1111	1185	1259	1333
MIL	2	125	167	222	250	278	306	333	389	444	500	556	611	667	722	778	833	889	945	1000
MIL	2.5	100	133	178	200	222	244	267	311	356	400	444	489	533	578	622	667	711	756	800
MIL	3	83	111	148	167	185	204	222	259	296	333	370	407	444	482	519	556	593	630	667
MIL	3.5	71	95	127	143	159	175	190	222	254	286	317	349	381	413	444	476	508	540	571
MIL	4	63	83	111	125	139	153	167	194	222	250	278	306	333	361	389	417	444	472	500
MIL	4.5	56	74	99	111	123	136	148	173	198	222	247	272	296	321	346	370	395	420	444
MIL	5	50	67	89	100	111	122	133	156	178	200	222	244	267	289	311	333	356	378	400
MIL	5.5	45	61	81	91	101	111	121	141	162	182	202	222	242	263	283	303	323	343	364
MIL	6	42	56	74	83	93	102	111	130	148	167	185	204	222	241	259	278	296	315	333
MIL	6.5	38	51	68	77	85	94	103	120	137	154	171	188	205	222	239	256	274	291	308
MIL	7	36	48	63	71	79	87	95	111	127	143	159	175	190	206	222	238	254	270	286
MIL	8	31	42	56	63	69	76	83	97	111	125	139	153	167	181	194	208	222	236	250
MIL	9	28	37	49	56	62	68	74	86	99	111	123	136	148	161	173	185	198	210	222
MIL	10	25	33	44	50	56	61	67	78	89	100	111	122	133	144	156	167	178	189	200

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